The Facts

· CJD strikes

people worldwide

at an average of

one in 1 million,

regardless of the

presence of BSE

BSE has never

in the United

States.

been diagnosed

or Scrapie.

BSE Detection in Indiana

Indiana State Board of Animal Health Technical Bulletin RC-2.97

n the recent years, Bovine
Spongiform Encephalopathy (BSE)
has touched everyone in animal
agriculture. While U.S. livestock
producers haven't had to deal with the
disease directly, they have had to
contend with a very strong, very
negative public reaction to what's
commonly called "mad cow disease."

At least two times, widely publicized rumors of BSE-tainted meat infecting humans sent beef prices crashingeven though the disease has never been diagnosed in America. Such rapid, strong market reactions illustrate the importance of educating consumers and strengthening public confidence in U.S. meat.

That's why cattle producers need to know how they can help keep the United States free of BSE. And, at the same time, reassure the public about the safety of beef.

National BSE Surveillance

Over a decade ago, USDA officials took the first step toward protecting the U.S. beef supply. This included special training for veterinarians. In 1989, all live animals and animal products were banned from countries reporting BSE. USDA protection efforts went further in 1990 with the creation of

a nationwide BSE surveillance prog Beginning in early 1991, producers renderers were asked not to include sheep sheep by-products with other materials rendering.

The goal of the surveillance program is gather, then test for BSE, the brains of all cat exhibiting signs of a central nervous system (CNS) disorder. To date, over 6,500 cattle nationwide, including 48 Indiana animals, has undergone surveillance testing. Several hund other Hoosier cattle have been tested unoffic yet none has tested positive for the disease. Those figures stand as scientific proof to a concerned public that U.S. beef is wholesome and BSE-free.

How can cattlemen get involved? By testing every cow showing BSE-like symptom Scientifically evaluating all suspect animals is essential to verifying America's free status (all catching the disease early, should a case arist Brain samples, submitted by a veterinarian for BSE analysis, are tested free-of-charge at the Animal Disease Diagnostic Laboratories (ADI based at Purdue University. The results are reported to the practitioner for follow-up with 1 producer, and forwarded to the USDA as statistical data.

When to Test

Because several very different central nervous system disorders can generate similar symptoms, cattle producers need to resist the temptation to diagnose the problem themselves or ignore various visible signs as unimportant.

Common signs of CNS disorders include mobility problems, like stumbling or wobbling; a lack of sure-footedness; and difficulty turning or getting trapped in corners. Animals may show inco-ordinated aggression

of Health. If the brain tests negative, it can forwarded to either the Animal Displagnostic Laboratory at Purdue University o National Veterinary Services Laboratory in Allowa. Either facility will be able to assist diagnosis.

For More Information

Producers who have questions about E or central nervous system disorders may conthe Indiana State Board of Animal Health, USDA's Animal and Plant Health Inspection Service (APHIS), the Animal Disease Diagno

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and/or bellow at a different pitch or intensity. Any combination of these signs warrants an examination by a veterinarian.

Central nervous system disorders can indicate diseases as common as listerosis or as exotic as BSE (although a case has never been found in this country). Particularly threatening infections like rabies (which has other serious public health concerns) can also produce similar symptoms. Likewise, external factors such as pesticide poisoning can mimic BSE's symptoms.

A producer's best course of action is to seek the opinion of a local veterinary practitioner, who may recommend more extensive testing to identify the cause. When rabies is suspected, the brain should be submitted to the rabies lab at the Indiana State Department

Laboratory at Purdue University or a local veterinary practitioner.

CNS Disorder Symptoms

These symptoms should not be ignored, and warrent a veterinary examination:

- Stumbling, wobbling
- Lack of sure-footedness
- · Difficulty turning or getting trapped in
- Incoordinated aggression
- Bellowing at different pitch or intensity

Indiana State Board of Animal Health

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